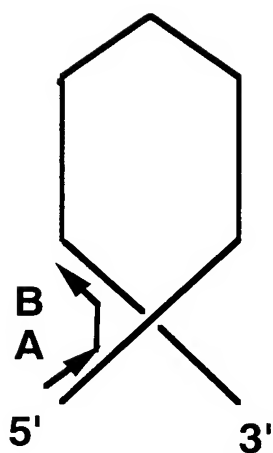
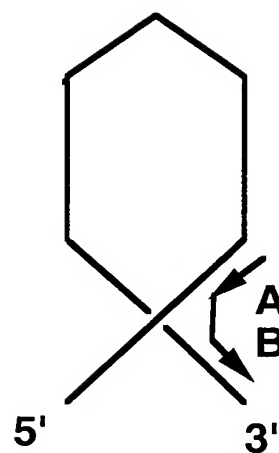


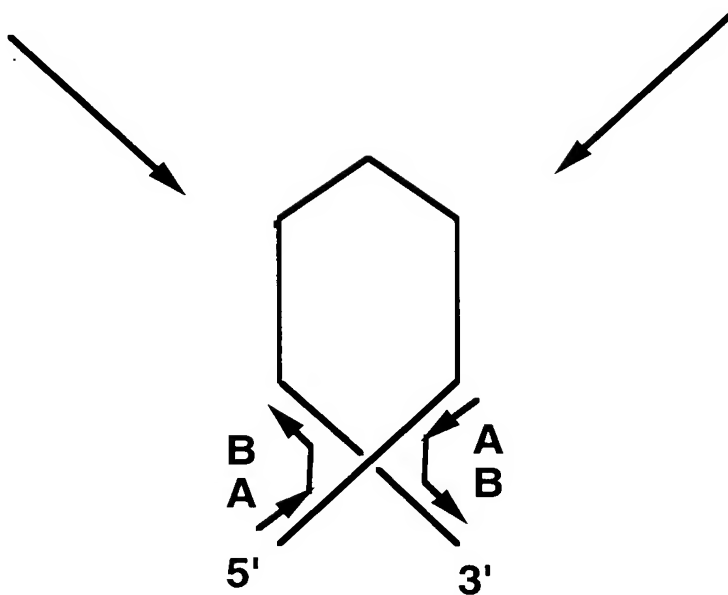
Figure 1



(a) Left Connectron
AB is bi-polar

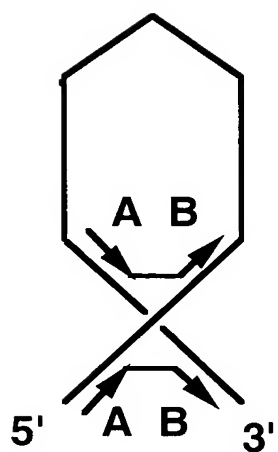


(b) Right Connectron
AB is bi-polar

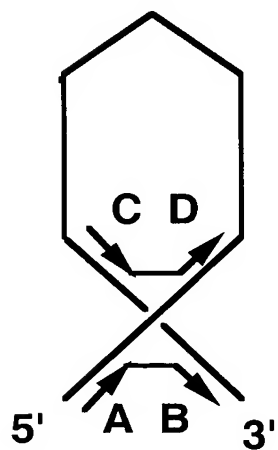


(c) Left-Right Connectron Pair

Figure 2

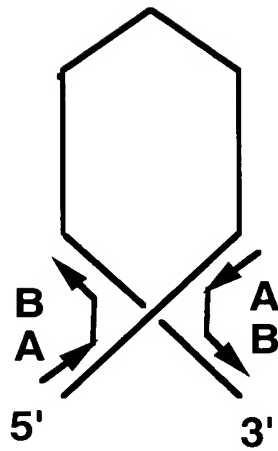


(a) Symmetric Lower-Upper Connectron Pair

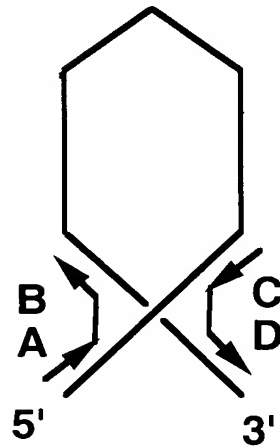


(b) Asymmetric Lower-Upper Connectron Pair

Figure 3

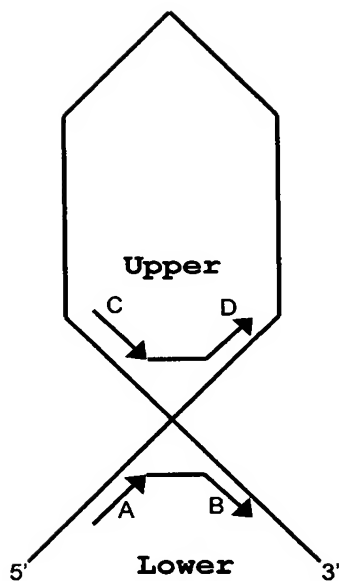


(a) Symmetric Left-Right Connectron Pair



(b) Asymmetric Left-Right Connectron Pair

Figure 4



(a) Concise representation of an Asymmetric Lower-Upper Connectron Pair

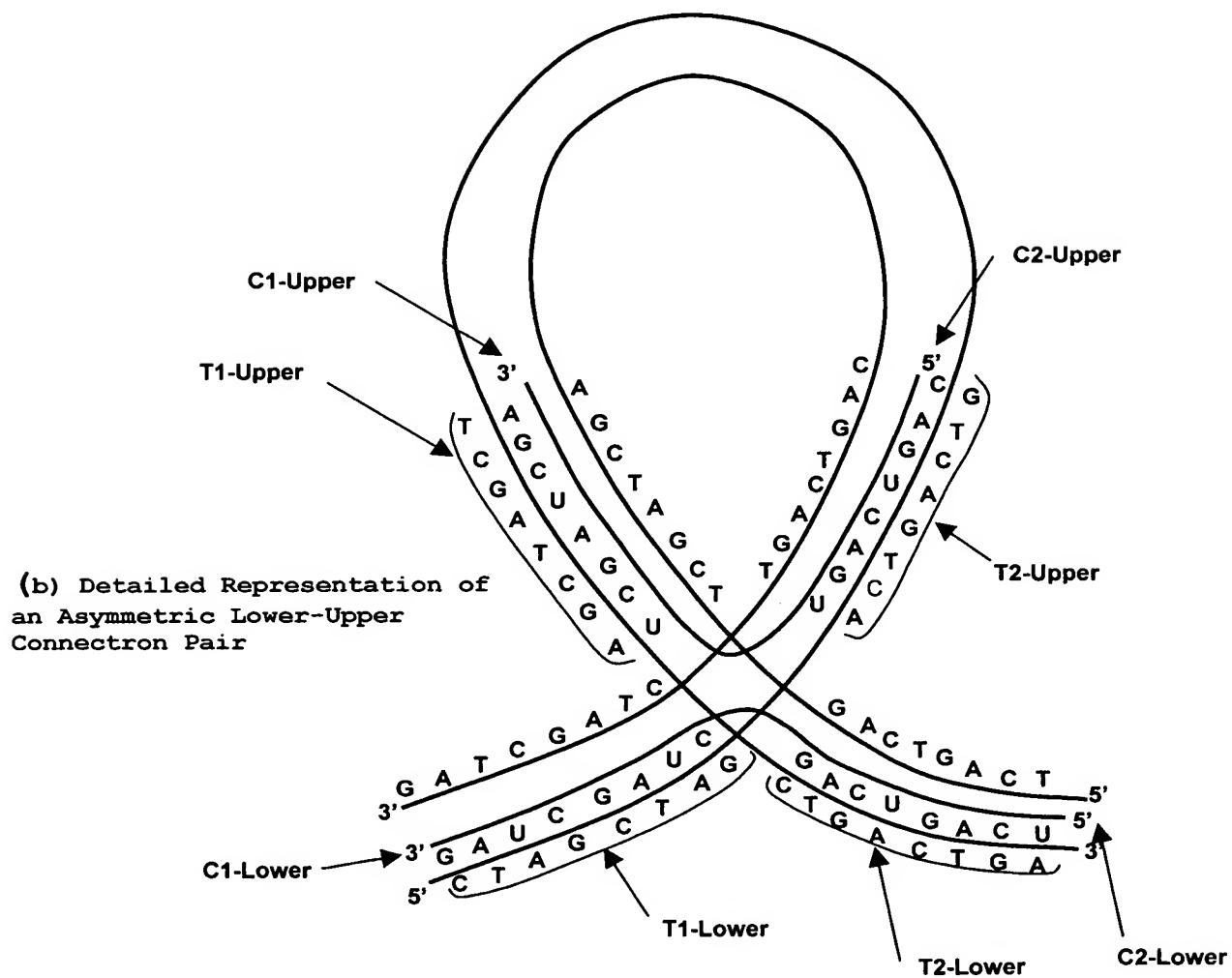
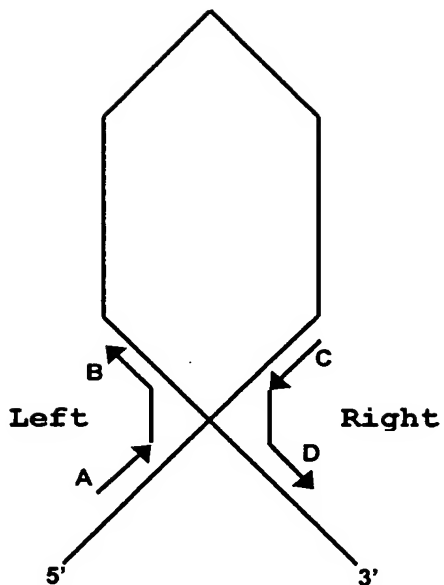
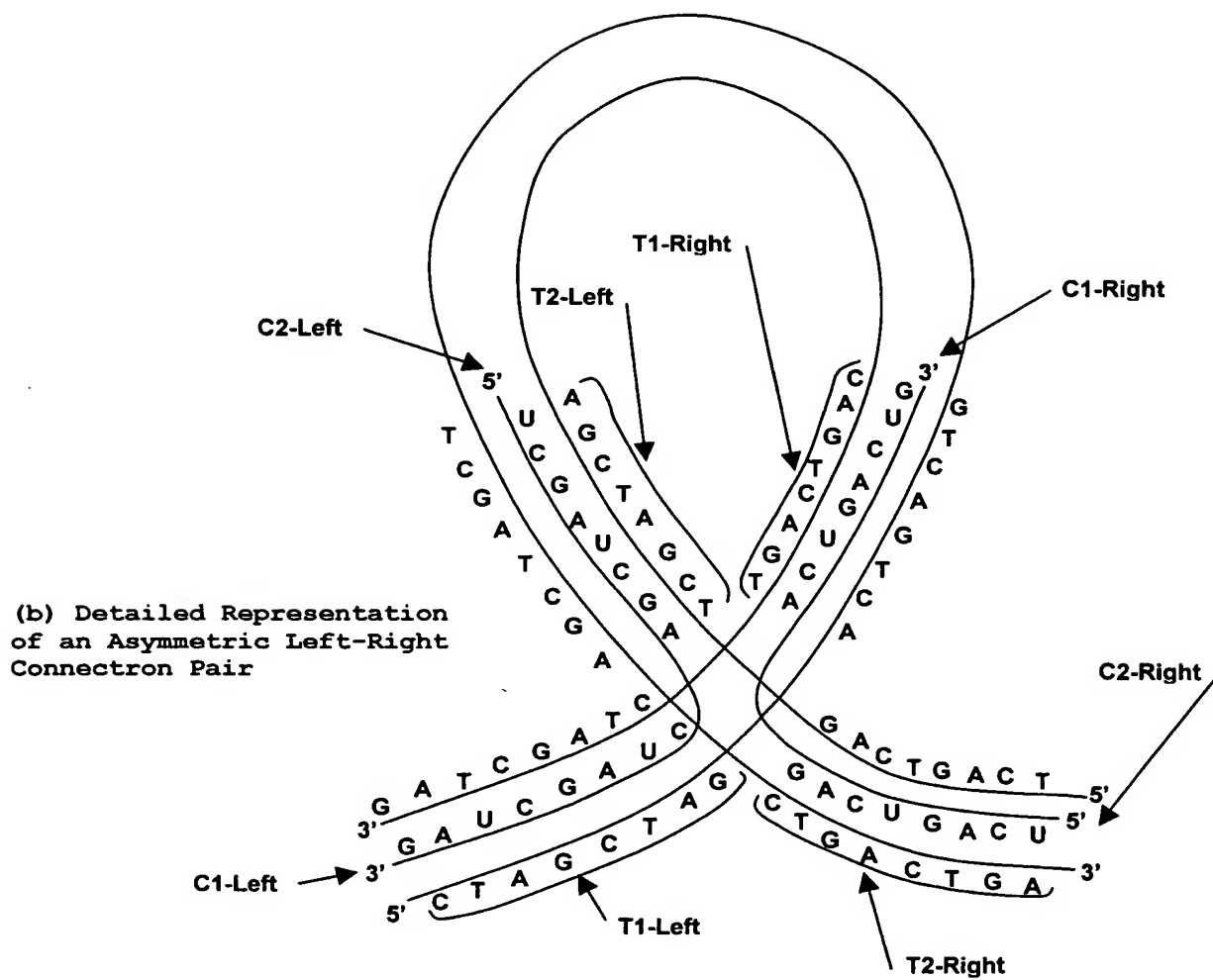


Figure 5

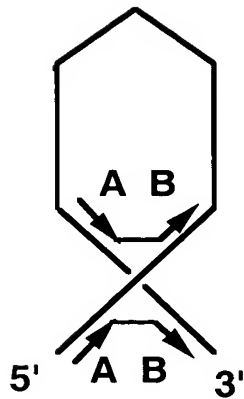


(a) Concise Representation
of an Asymmetric Left-Right
Connectron Pair.

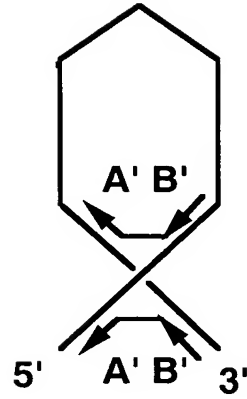


(b) Detailed Representation
of an Asymmetric Left-Right
Connectron Pair

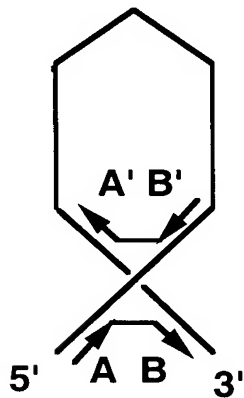
Figure 6



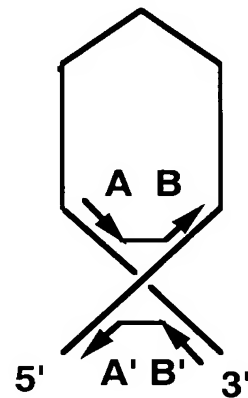
**(a) Dominant - Dominant
Symmetric Lower-Upper
Connectron Pair**



**(b) Anti-Dominant - Anti-Dominant
Symmetric Lower-Upper
Connectron Pair**

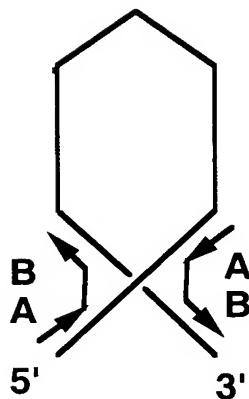


**(c) Dominant - Anti-Dominant
Symmetric Lower-Upper
Connectron Pair**

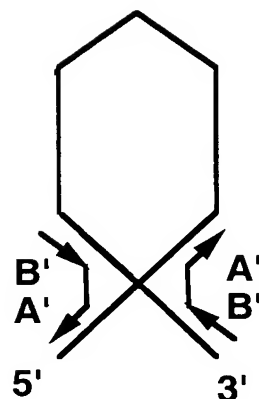


**(d) Anti-Dominant - Dominant
Symmetric Lower-Upper
Connectron Pair**

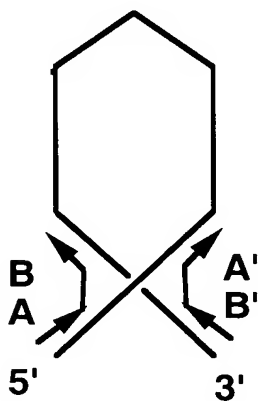
Figure 7



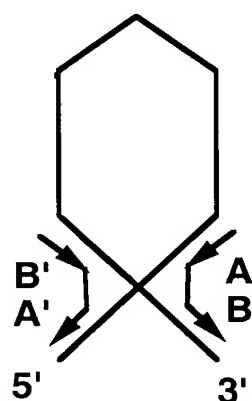
**(a) Dominant - Dominant
Symmetric Left-Right
Connectron Pair**



**(b) Anti-Dominant - Anti-Dominant
Symmetric Left-Right
Connectron Pair**

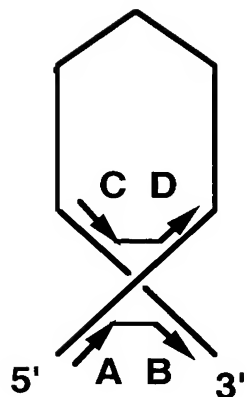


**(c) Dominant - Anti-Dominant
Symmetric Left-Right
Connectron Pair**

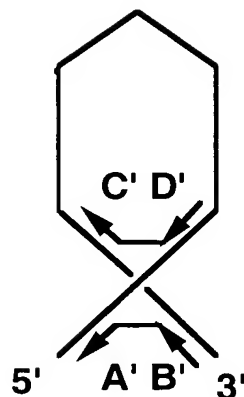


**(d) Anti-Dominant - Dominant
Symmetric Left-Right
Connectron Pair**

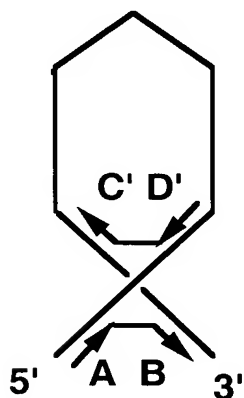
Figure 8



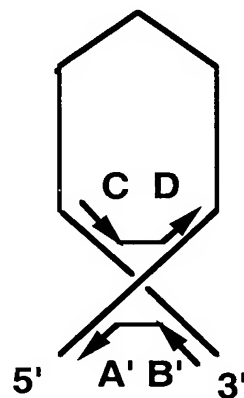
**(a) Dominant - Dominant
Asymmetric Lower-Upper
Connectron Pair**



**(b) Anti-Dominant - Anti-Dominant
Asymmetric Lower-Upper
Connectron Pair**

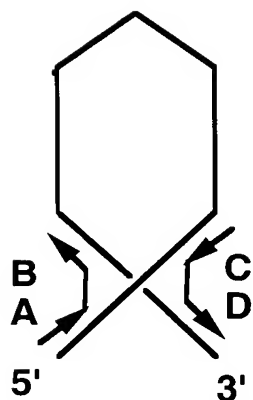


**(c) Dominant - Anti-Dominant
Asymmetric Lower-Upper
Connectron Pair**

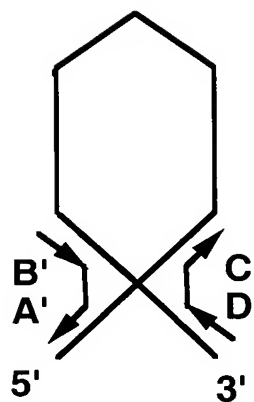


**(d) Anti-Dominant - Dominant
Asymmetric Lower-Upper
Connectron Pair**

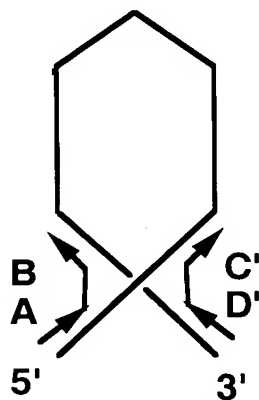
Figure 9



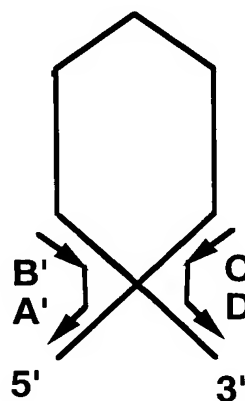
**(a) Dominant Dominant
Asymmetric Left-Right
Connectron Pair**



**(b) Anti-Dominant Anti-Dominant
Asymmetric Left-Right
Connectron Pair**

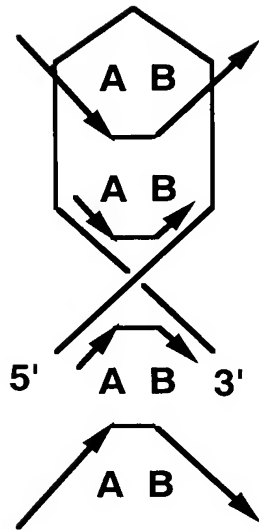


**(c) Dominant Anti-Dominant
Asymmetric Left-Right
Connectron Pair**

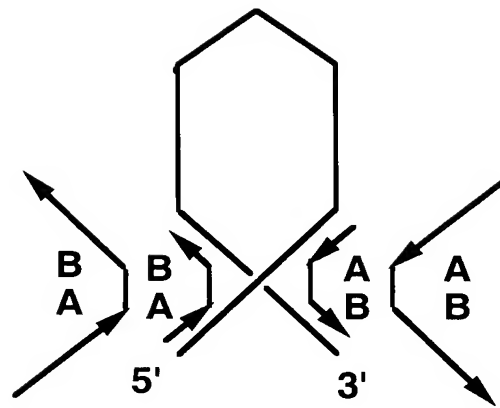


**(d) Anti-Dominant Dominant
Asymmetric Left-Right
Connectron Pair**

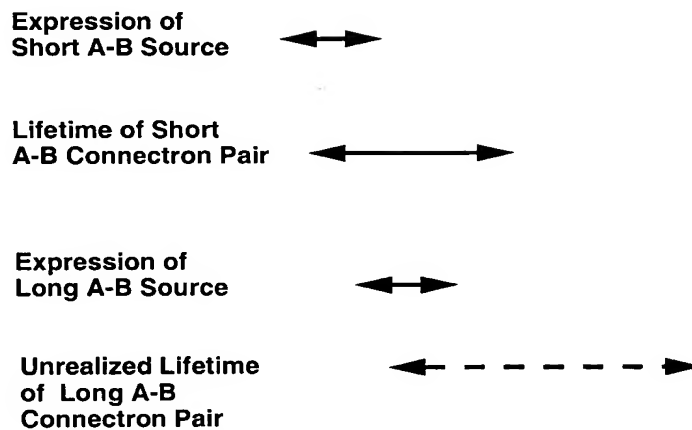
Figure 10



(a) Competitive Blocking of Symmetric Lower-Upper Long-Lived Connectrons

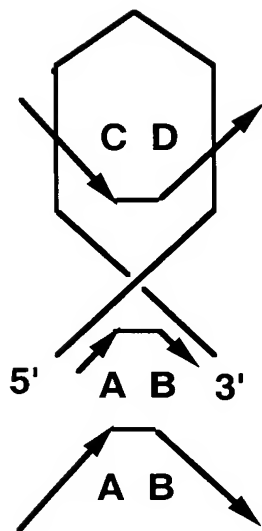


(b) Competitive Blocking of Symmetric Left-Right Long-Lived Connectrons

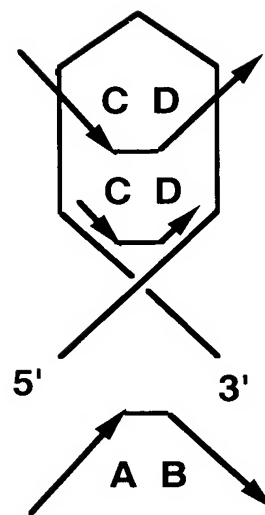


(c) Timing Windows for Competitive Blocking of Symmetric Long-Lived Connectrons

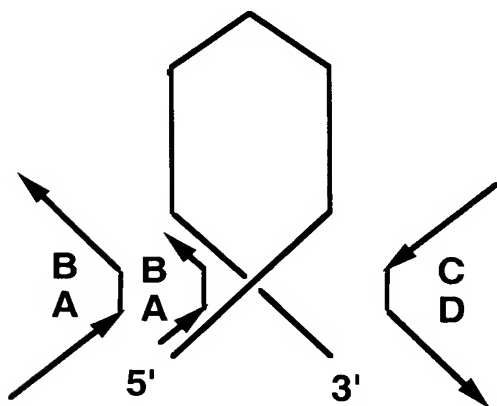
Figure 11



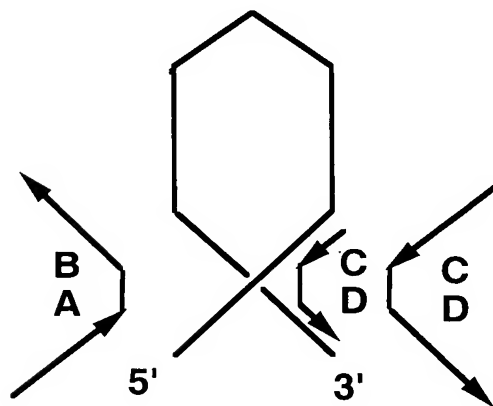
(a) Competitive Blocking of Asymmetric Lower-Upper Long-Lived Connectrons



(b) Competitive Blocking of Asymmetric Lower-Upper Long-Lived Connectrons

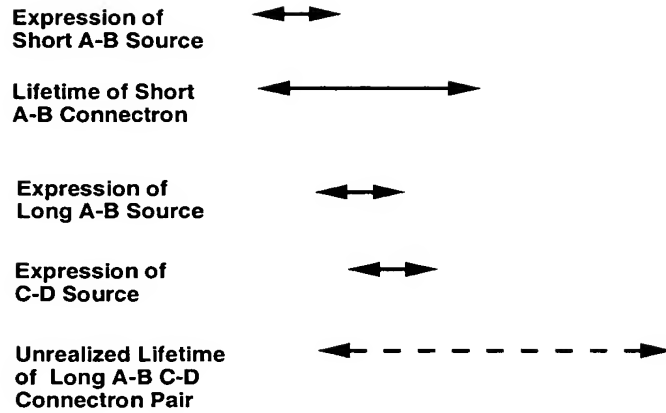


(c) Competitive Blocking of Asymmetric Left-Right Long-Lived Connectrons

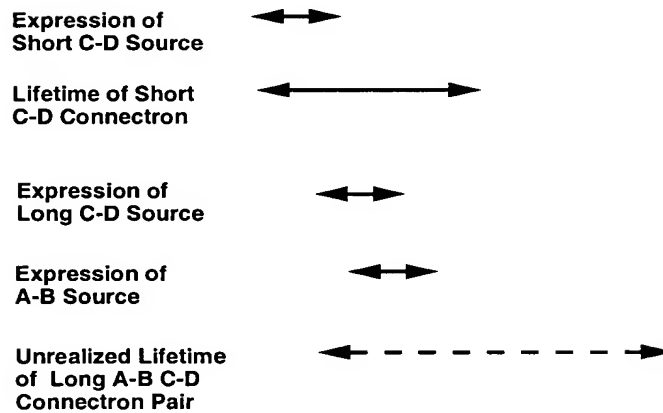


(d) Competitive Blocking of Asymmetric Left-Right Long-Lived Connectrons

Figure 12

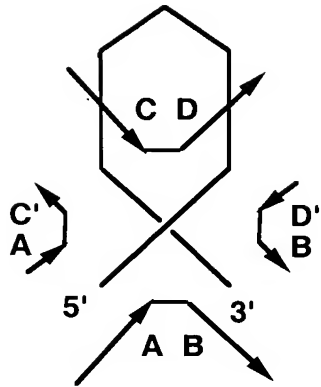


**(a) Timing Windows for
Competitive Blocking
of Asymmetric
Long-Lived Connectrons**

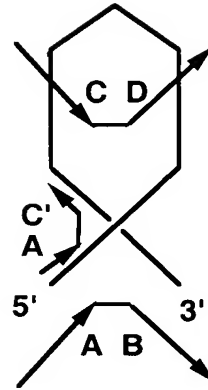


**(b) Timing Windows for
Competitive Blocking
of Asymmetric
Long-Lived Connectrons**

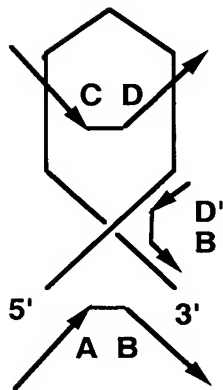
Figure 13



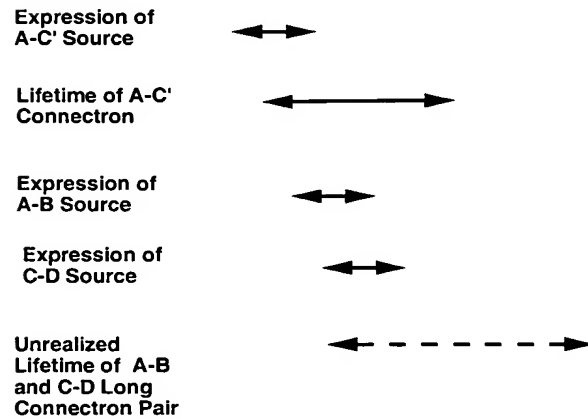
(a) Fully Symmetric Connectron Tetrad



(b) Non-Competitive Blocking Effect by Short-Lived Left Connectron of a Long-Lived Cooperative Connectron Pair



(c) Non-Competitive Blocking Effect by Short-Lived Right Connectron of a Long-Lived Cooperative Connectron Pair



(d) Timing Windows for Non-Competitive Blocking of Asymmetric Long-Lived Connectrons

Figure 14